



# CAFES PDF 417 Bar Code Record Positional Layout QP



**Version: 02**

**Class Codes:**

**A: Alphabetic - (Letter or Blank) Left Justified & Space Filled**

**AN: Alphanumeric (Alphabetic or Numeric) - Left Justified & Space Filled**

**N: Numeric - Right Justified & Zero Filled - EXCEPT Numeric fields in Header and Trailer  
Records must be Space Filled if not used!**

**X: Alphanumeric. Any Character. - Left Justified & Space Filled**

**Status Codes:**

**C: Conditional**

**M: Mandatory**

**O: Optional**

**Notes:**

**\*\*\* BAR CODE TEXTUAL DATA MUST BE UPPERCASE CHARACTERS \***

**PDF 417 Barcode format for CF-7512 adapted from Customs and Trade Automated Interface Requirements (CATAIR) document:**

**In-bond dated April 1996 - Amendment 1: Provides record formats pertaining to in-bond and bill of lading input and output records, in-bond update/transfer of liability input and output records and status notifications records.**

**Header and Trailer Records:**

**March 1995 Application Control - Defines typical configuration of the Automated Commercial Systems (ACS) records.**

**\*\*\*\*\* Additional CAFES Record Formatting Instructions \*\*\*\*\***

**Each CAFES record format (CAMIR, QP, or X12) must be enclosed within the ANSI PDF 417 Bar Code Enveloping Structure as defined in:**

**ANSI MH10.8.3M-1996**

**American National Standard for Material Handling ...**

**Two-Dimensional Symbols With Unit Loads and Transport**

**Packages**

**Pages 6-10 and 52.**

**ANSI PDF 417 Bar Code Envelope (for CAFES)**  
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**Message Header String: "[>" followed by ASCII decimal character 30**

**Format Header-Free Form Text Indicator: "07"**

**CAFES Bar Code Identifier: "&"**

**2-digit Version Number here (leading zero is required).**

**[Place CAFES CAMIR, QP, or X12 message here!]**

**Format Trailer (Record Separator) Character: ASCII decimal character 30**

**Message Trailer (End Of Transmission) Character: ASCII decimal character 4**

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
<b>Record Identifier A</b>					
Control Identifier	1 A	1	1	M	Must always equal A.
Receiver District/Port	4 N	2	5	M	A code representing the district/port of the data processing site where the data is returned.
Receiver Filer Code	3 AN	6	8	M	A unique code assigned by the U.S. Customs Service to all active entry document preparers and authorized Service Bureaus and Software Vendors.
Receiver Password	6 AN	9	14	M	A code for output only representing the password agreed upon by the user and the U.S. Customs Service.
Current Date	6 N	15	20	M	Date Barcode Generated
Batch Number	2 N	21	22	M	A number from 01-99 requesting the sequential batch count for the current day's ABI transmissions.
National Importer Liquidation (NIL) Indicator	3 A	23	25	C	A code indicator representing the NIL indicator.
Filler	12 AN	26	37	M	Space fill.
Receiver Office Code	2 N	38	39	O	A code agreed upon by the user and the U.S. Customs Service representing a specific user's office for output only.
Sender District/Port	4 N	40	43	C	A code representing the district/port of the data processing site where data is being transmitted from.
Sender Filer Code	3 AN	44	46	C	A unique code assigned by the U.S. Customs Service to all active entry document preparers and authorized Service Bureaus and Software Vendors transmitting data.
Sender Office Code	2 N	47	48	C	A code agreed upon by the user and the U.S. Customs Service for a specific user's office.
Sender Password	6 AN	49	54	C	A code for output only representing the password agreed upon by the user and the U.S. Customs Service.
Filler	15 AN	55	69	M	Space fill.
User Data	11 X	70	80	C	Postions 70 through 80 are for the user's internal use.

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Record Length:		80			
<b>Record Identifier B</b>					
Control Identifier	1 A	81	81	M	Must always equal B.
Block Number	2 N	82	83	M	A number from 1 to 99.
Processing District/Port Code	4 N	84	87	M	A code representing the processing district/port.
Entry Filer Code	3 AN	88	90	M	A unique code assigned by the U.S. Customs Service to all active entry document preparers.
Application Identifier	2 X	91	92	M	Must always equal QP. The application identifier defines the type of application detail data contained within the block.
Statement Status	1 A	93	93	C	Not used by CAFES. A code representing the statement status.
Statement Number	10 N	94	103	C	Not used by CAFES. This data element is located only on Daily Statement output records so it can be available for printing user report headings.
Payment Due Date	6 N	104	109	C	Not used by CAFES. A numeric date in MMDDYY (month, day, year) format representing the payment due date.
Payment Type Indicator	1 N	110	110	C	Not used by CAFES. This data element is located only on Daily Statement output records so it can be available for printing user report headings.
Importer of Record Number	12 X	111	122	C	Not used by CAFES. This data element is present only on Daily Statement output records so it can be available for printing user report headings.
Client Branch Designation	2 AN	123	124	C	Not used by CAFES. A code representing the client branch designation.
Processing Office Code	2 N	125	126	O	Not used by CAFES. A unique code assigned by the broker.
Preparer District/Port	4 AN	127	130	C	To be used with remote entry filing only.

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Preparer Filer Code	3 AN	131	133	C	This code must equal entry filer code if filing a remote entry, otherwise leave blank.
Preparer Office Code	2 N	134	135	C	Not used by CAFES. To be used with remote entry filing only.
Preparer Type Indicator	1 N	136	136	C	Not used by CAFES. Blank if not remote entry. One (1), if remote entry.
Filler	3 AN	137	139	M	Space fill.
User Data	21 AN	140	160	C	Not used by CAFES.
<b>Record Length:</b>		80			
<b>Record Identifier QP10</b>					
Record Type	2 N	161	162	M	Must always equal 10.
Action Code	1 A	163	163	M	Must always equal A for Add In-bond. Also in QP 30.
In-bond Entry Type	2 N	164	165	M	The ACS code representing the type of in-bond movement.
In-bond Number	12 AN	166	177	M	The number identifying the in-bond movement. Enter conventional 9 numeric In-bond number. Do not include spaces, hyphens, slashes, or other special characters.
Carrier Code	4 X	178	181	M	A code representing the Standard Carrier Alpha Code (SCAC) of the in-bond carrier or the International Air transportation carrier.
U.S. Port of Destination	4 N	182	185	M	The Census Schedule D code representing the U.S. Customs port of termination for an immediate transportation (61) entry, or the port of exportation for a transportation and export (62) entry, or the port of arrival for an immediate export (63) entry.
Foreign Port of Destination	5 N	186	190	C	The Census Schedule K code representing the foreign port of destination for a transportation and exportation (62) or immediate exportation (63) entries.
Value --- also in QP 70	8 N	191	198	M	Also in QP 70.

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
In-bond Carrier ID	12 X	199	210	M	A code representing the identification number of the bonded carrier.
FTZ Indicator	1 X	211	211	O	Values 'Y', ''
FDA BTA Indicator	1 X	212	212	O	Values 'Y', 'N', ''

**Record Length:** 52

#### Record Identifier QP20

Record Type	2 N	213	214	M	Must always equal 20.
Carrier Code	4 AN	215	218	M	A code representing the importing carrier.
Mode of Transport (MOT)	2 N	219	220	M	A code indicting the type of transport used by the importing carrier. (10 = ocean, 20 = rail, 30 = truck, 70 = pipeline)
Country Code of Importing Carrier	2 A	221	222	M	The Internation Organization for Standardization (ISO) country code representing the flag country of the importing carrier.
Importing Conveyance Name	23 X	223	245	M	The name of identifies the importing conveyance.
Voyage/Flight/Trip Number	5 X	246	250	M	The voyage, flight or trip number of the importing carrier shown on the shippers market.
Lloyds Vessel Code	7 N	251	257	O	The Lloyds of London registry code representing the importing vessel.
District/Port of Importing Conveyance Arrival	4 N	258	261	M	The Census Schedule D code representing the U.S. customs port (DDPP) of unloading.
Estimated Date of Arrival	6 N	262	267	M	A date in MMDDYY (month, day, year) format representing the scheduled date of arrival at the port of unloading.
Firms Code	4 AN	268	271	C	Required if QP 10's FTZ Indicator is a 'Y' (Yes).

**Record Length:** 59

#### Record Identifier QP30

Record Type	2 N	272	273	M	Must always equal 30.
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Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Action Code	1 A	274	274	M	Must always equal A for Add bill data. Also in QP 10.
Bill Indicator	1 A	275	275	M	Must be Y(Yes).
Sequence Number	4 AN	276	279	O	A sequence number identifying the bill number.
Issuer Code of Master Bill Number	4 AN	280	283	M	A code representing the Standard Carrier Alpha Code (SCAC) of the party who actually issued the bill of lading.
Master Bill Number	12 AN	284	295	M	Mandatory since Bill Indicator must equal Y. The master bill number as listed on the manifest.

**Record Length:** 24

#### Record Identifier QP32 (Optional)

Record Type	2 N	296	297	M	Must always equal 32.
First Secondary Notify Party Code	9 AN	298	306	M	A code representing the first secondary notify party (SNP). If SNP is an ABI filer, the code is NNNNXXXNN where: NNNN: Customs port (Census Schedule D Code) of the SNP. XXX: Filer code. NN: Office code, if used by that filer. If SNP is an automated carrier use AAAA, the SCAC code.
Second Secondary Notify Party Code	9 AN	307	315	O	A code representing the second secondary notify party (SNP). If SNP is an ABI filer, the code is NNNNXXXNN where: NNNN: Customs port (Census Schedule D Code) of the SNP. XXX: Filer code. NN: Office code, if used by that filer. If SNP is an automated carrier use AAAA, the SCAC code.

**Record Length:** 20

#### Record Identifier QP33 (Optional - Can occur 2 times)

Record Type #1	2 N	316	317	M	Must always equal 33.
Qualifier #1	3 AN	318	320	M	See CATAIR for list of valid codes. If code is less than three (3) positions, it is left justified. If "FEN" is used, then the 15 digit Mexican entry number (Pedimento) is required.

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Reference Number #1	30 AN	321	350	M	Reference number must correspond to code in CATAIR.
Record Type #2	2 N	351	352	M	Must always equal 33.
Qualifier #2	3 AN	353	355	M	See CATAIR for list of valid codes. If code is less than three (3) positions, it is left justified. If "FEN" is used, then the 15 digit Mexican entry number (Pedimento) is required.
Reference Number #2	30 AN	356	385	M	Reference number must correspond to code in CATAIR.

**Record Length:** 70

#### Record Identifier QP40

Record Type	2 N	386	387	M	Must always equal 40.
Foreign Port of Lading	5 N	388	392	M	The Census Schedule K code representing the foreign port in which the cargo was laden on board the importing conveyance.
Manifest Quantity	10 N	393	402	M	A value greater than zero representing the total number of pieces on the bill of lading.
Manifest Units	5 X	403	407	M	Must not be greater than 3 characters long. A three character code for manifest unit of measure, such as CTN (carton).
Weight	10 N	408	417	M	A value greater than zero representing the gross weight.
Weight Unit	2 A	418	419	M	A code representing the unit of weight (ET=Metric Tons, KG=Kilograms, LB=Pounds, LT=Long Tons, MT=Measurement Tons, ST=Short Tons).
Measurement (Cubic)/Volume	10 N	420	429	O	Container Volume. Right justify and blank fill.
Measurement Unit	2 A	430	431	C	A code representing the unit of volume.
Place of Pre-receipt	17 X	432	448	O	A city or country name in which the pre-carrier took possession of the cargo.

**Record Length:** 63

#### Record Identifier QP50



Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Record Type	2 N	449	450	M	Must always equal 50.
Foreign Shipper Name	35 X	451	485	M	A valid foreign shipper name.
Foreign Shipper Address, Line 1	35 X	486	520	M	A representation of the first line of the foreign shipper's address; or just the city and country if that is the only information available.

**Record Length:** 72

#### Record Identifier QP51 (Optional - Requires QP50)

Record Type	2 N	521	522	M	Must always equal 51.
Foreign Shipper Address, Line 2	35 X	523	557	M	The second line of the foreign shipper's address, if available.
Foreign Shipper Address, Line 3	35 X	558	592	M	The third line of the foreign shipper's address, if available.

**Record Length:** 72

#### Record Identifier QP52 (Optional - Requires QP50)

Record Type	2 N	593	594	M	Must always equal 52.
Foreign Shipper Telephone or Telex Number	35 X	595	629	M	The telephone or telex number of the foreign shipper, if available.

**Record Length:** 37

#### Record Identifier QP55

Record Type	2 AN	630	631	M	Must always equal 55.
Consignee Name	35 X	632	666	M	A valid consignee name.
Consignee Address, Line 1	35 X	667	701	M	The first line of the consignee's address; or just the city and country if that is the only information available.

**Record Length:** 72

#### Record Identifier QP56 (Optional - Requires QP55)

Record Type	2 N	702	703	M	Must always equal 56.
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Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Consignee Address, Line 2	35 X	704	738	M	The second line of the consignee's address, if available.
Consignee Address, Line 3	35 X	739	773	M	The third line of the consignee's address, if available.

**Record Length:** 72

**Record Identifier QP57 (Optional - Requires QP55)**

Record Type	2 N	774	775	M	Must always equal 57.
Consignee Telephone or Telex Number	35 X	776	810	M	The telephone or telex number of the consignee, if available.

**Record Length:** 37

**Record Identifier QP60 (Optional)**

Record Type	2 N	811	812	M	Must always equal 60.
Notify Party Name	35 X	813	847	M	A valid notify party name.
Notify Party Address, Line 1	35 X	848	882	M	The first line of the notify party's address; or just the city and country if that is the only information available.

**Record Length:** 72

**Record Identifier QP61 (Conditional - Mandatory if QP60 used.)**

Record Type	2 N	883	884	M	Must always equal 61.
Notify Party Address, Line 2	35 X	885	919	M	The second line of the notify party's address, if available.
Notify Party Address, Line 3	35 X	920	954	M	The third line of the notify party's address, if available.

**Record Length:** 72

**Record Identifier QP62 (Optional - Requires QP60 and QP61 if used.)**

Record Type	2 N	955	956	M	Must always equal 62.
Notify Party Telephone or Telex Number	35 X	957	991	M	The telephone or telex number of the notify party; if available.

**Record Length:** 37

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Record Identifier QP65					
Record Type	2 N	992	993	M	Must always equal 65.
Container Number	14 AN	994	1007	M	A valid container/equipment number associated with a bill of lading number exactly as it physically appears on the container.
Seal Number 1	15 AN	1008	1022	C	A valid exporter/carrier seal number associated with the container.
Seal Number 2	15 AN	1023	1037	C	A valid exporter/carrier seal number associated with the container.
Container Description Code	2 AN	1038	1039	C	Type of container or equipment used for shipment.
Record Length:		48			
Record Identifier QP70 (Conditional - Mandatory if QP10 In-bond Entry Type = 62 or 63)					
Record Type	2 N	1040	1041	M	Must always equal 70.
Harmonized Number (HTSUSA)	11 N	1042	1052	M	The code located in the Harmonized Tariff Schedule that represents the tariff number. Left Justify and fill with zeroes. Enter at least six positions of the valid HTS number identifying the cargo being exported from the US by ocean carrier.
Value	8 N	1053	1060	M	Same as QP 10.
Weight	10 N	1061	1070	M	A value greater than zero representing the net weight in pounds or kilos of the commodity.
Weight Unit	2 A	1071	1072	M	A code representing the unit of weight.
Record Length:		33			
Record Identifier QP71 (Can occur 3 times; #2 through #3 are Optional)					
Record Type	2 N	1073	1074	M	Must always equal 71.
Piece Count #1	10 N	1075	1084	M	The total number of pieces being described.
Description #1	45 X	1085	1129	M	A description of the cargo.

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Record Type	2 N	1130	1131	M	Must always equal 71.
Piece Count #2	10 N	1132	1141	C	Optional if description continuation but Mandatory if describing new item. A value representing the total number of pieces being described.
Description #2	45 X	1142	1186	M	A description of the cargo.
Record Type	2 N	1187	1188	M	Must always equal 71.
Piece Count #3	10 N	1189	1198	C	Optional if description continuation but Mandatory if describing new item. A value representing the total number of pieces being described.
Description #3	45 X	1199	1243	M	A description of the cargo.

**Record Length:** 171

#### Record Identifier QP72 (Can occur 2 times; #2 is Optional)

Record Type	2 N	1244	1245	M	Must always equal 72.
Marks and Numbers #1	45 X	1246	1290	M	The written description of the symbols and markings that are on the outside of the packaging.
Record Type	2 N	1291	1292	M	Must always equal 72.
Marks and Numbers #2	45 X	1293	1337	M	The written description of the symbols and markings that are on the outside of the packaging.

**Record Length:** 94

#### Record Identifier QP75 (Optional)

Record Type	2 N	1338	1339	M	Must always equal 75
Hazardous Material Code	10 X	1340	1349	M	A code representing the identification number assigned to the hazardous material.
Hazardous Material Class	4 X	1350	1353	O	A code representing the identification number assigned to the hazardous material.
Hazardous Material Code Qualifier	1 X	1354	1354	O	A code which describes the hazardous material class.

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Hazardous Material Description	30 AN	1355	1384	O	The proper shipping name of the material designated as hazardous.
Hazardous Material Contact	24 AN	1385	1408	O	The name and/or phone number of the person or department to contact in the case of an emergency.
Flashpoint Temperature	3 N	1409	1411	O	A code representing the lowest temperature at which the vapor of a hazardous combustible liquid will ignite in the air.
Unit of Measure Code	2 X	1412	1413	O	A code representing degrees Centigrade/Celsius, the basic unit of measurement (UOM) for the flashpoint temperature.
Negative Indicator	1 A	1414	1414	O	A code of N is used when a flashpoint temperature is negative; that is, below 0 (zero) degrees Centigrade/Celsius.

**Record Length:** 77

**Record Identifier QP76 (Conditional - Mandatory if QP75 used.)**

Record Type	2 N	1415	1416	M	Must always equal 76.
Hazardous Material Description	29 X	1417	1445	C	Material name, special instructions and/or phone number if any.
Hazardous Material Classification	30 X	1446	1475	C	Free form description of hazardous material classification or division of label requirements.

**Record Length:** 61

**Record Identifier Y**

Control Identifier	1 A	1476	1476	M	Must always equal Y.
Filler	2 AN	1477	1478	M	Space fill.
Processing District/Port Code	4 N	1479	1482	M	***** Same as Header B
Entry Filer Code	3 AN	1483	1485	M	***** Same as Header B
Application Identifier	2 X	1486	1487	M	***** Same as Header B
Number of Transaction Detail Records in the Block	5 N	1488	1492	M	The number of detail records in the block. Does not include A, B, Y or Z.

Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - QP
Total Estimated Duty	12 N	1493	1504	C	Must be blank for CAFES.
Total Estimated Tax	12 N	1505	1516	C	Must be blank for CAFES.

**Record Length:** 41

#### Record Identifier Z

Control Identifier	1 A	1517	1517	M	Must always equal Z.
District/Port of ABI Receiver	4 N	1518	1521	M	***** Same as Header A
Receiver Filer Code	3 AN	1522	1524	M	***** Same as Header A
Receiver Password	6 AN	1525	1530	M	***** Same as Header A
Current Date	6 N	1531	1536	M	***** Same as Header A
Batch Number	2 N	1537	1538	M	***** Same as Header A
National Importer Liquidations (NIL) Indicator	3 A	1539	1541	C	***** Same as Header A
Filler	12 AN	1542	1553	M	Space fill.
Receiver Office Code	2 N	1554	1555	O	***** Same as Header A

**Record Length:** 39

**Total Bar Code Length (Message + 11 Overhead):** 1566